Rhodora

JOURNAL OF THE

NEW ENGLAND BOTANICAL CLUB

Conducted and published for the Club, by

ALBION REED HODGDON, Editor-in-Chief

ALBERT FREDERICK HILL
STUART KIMBALL HARRIS
RALPH CARLETON BEAN
ROBERT CRICHTON FOSTER
ROLLA MILTON TRYON
RADCLIFFE BARNES PIKE
LORIN IVES NEVLING, JR.

} Associate Editors

VOLUME 70

1968

The New England Botanical Club, Inc.

Botanical Museum, Oxford St., Cambridge 38, Mass.

INDEX TO VOLUME 70

New scientific names and combinations are printed in bold face type

Abies balsamea 83, 90, Variation in Cone Morphology of Balsam Fir 83, var. balsamea 90, var. phanerolepis 83, 87, 90, 91; Fraseri 90; lasiocarpa 83
Acacia 129, 130, 287, 331, 492
Acanthospermum australe 232, 238; hispidum 232
Acer rubrum 224
Achillea borealis 180-182, 184, 186, 187; millefolium 210, ssp. lanulosa var. megacephala 204
Acosmium 499; lentiscifolium 499
Actinomeris 99
Adenostemma brasilianum 229, 231, 233, 235
Adenostylinae 231
Adiantum 2, 3
Agastache anethiodora 38; nepetoides 38; scrophulariifolium 38
Agastianis 521; secundiflora 528
Ageratinae 231
Ageratum conyzoides 235
Agoseris glauca 50
× Agroelymus palmerensis 471
× Agrohordeum 472
Agropyron 467, 471, 472; latiglume 470; pungens 442; sericeum 470, 471; smithii 451; trachycaulum 210, 470, 471; violaceum 470, 471
Agrostis scabra 205, 208
Alabama, Allium ampeloprasum in 303
Alaska, Hybridization within the Triticeae of 467
Alisma gramineum 577, 578; subcordatum 578; triviale 578
Alisma plantago 171; plantago-aquatica 171
Allionia hirsuta 33; linearis 33
Allium ampeloprasum 303, in Alabama 303; reticulatum 28; stellatum 28; textile 28; tricoccum 285
Alloplectus 413; ambiguus 414
Alnus oblongifolia 465
Alocasia sp. 414
Alomia fastigiata 231, 235; microcarpa 231
Alternaria 385
Alyssum 300; alyssoides 298, 299; calycinum 298, 299; campestre 299; desertorum 298; Introduced in North America 298; maritimum 299; minimum 298; minus var. micranthum 299, 300; petraeum 28, 299; saxatile 299; sect. Alyssum 298-300; sect. Psilonema 298; strigosum 299, 300, ssp. strigosum 299; szowitsianum 299
Amazon, The Vegetal Ingredients of the Myristicaceous Snuffs of the Northwest 113
Ambrosia polystachyus 232, 238
Amellus spinulosus 50; villosus 49
Ammophila arenaria 223; breviligulata 225
Amorpha 512; canescens 29; microphylla 29; nana 29
Ampelamus albidus 431
Amphianthus 396; pusillus 394, 396
Anadenanthera 120, 128, 331; peregrina 114, 115, 117-119, 125, 127, 128, 131, 132, 144, 331-333
Anaphalis margaritacea var. intercedens 179
Anderson, C. E. and J. H. Beaman, Status of the Genus Cymophora (Compositae) 241-246
Aneilema spiratum 571
Anthemideae 482

Anthodiscus 335; obovatus 335
Anthurium dominicense 414
Aplopappus spinulosus 370
Apocynaceae 326, 327, 417, 427
Apodanthes 426
Arabis arenicola 206, 209, 211, var. arenicola 211, var. pubescens 211; drummondii 180, 187, 452; hirsuta var. pycnocarpa 180-182; lyrata 205; missouriensis 452
Araceae 412-414, 417
Aralia racemosa 182
Arctic-Alpine and Boreal Disjunct Species, Habitat Studies of 176
Arctic-Alpine Plants in Montana, New Records of Disjunct 103
Arctostaphylos alpina ssp. rubra 212
Arenaria caroliniana 290
Arethusa bulbosa 196, 198, 206-208
Argus, George W., Contributions to the Flora of Boreal Saskatchewan 200-211
Aristida 30; oligantha 30; pallens 30
Aristolochia 324
Armeria maritima var. interior 205, 206, 209, 211
Arnica chionopappa 184
Artemisia arbuscula ssp. thermopola 286; campestris ssp. borealis 206, 209, 211; cernua 30; dracunculoides 30; dracunculus 30; nutans 30; sect. Tridentatae 286; stelleriana 223; tripartita var. hawkinsii 286
Asclepiadaceae 415, 427
Ascyrum hypericoides 225
Aspidium goldianum 457, 458
Aspilia 241
Asplenium 2, 346; platyneuron 452; trichomanes 188, 346; viride 182
Aster 221, 443, 444; squamatus 232, 237
Astereae 237
Asteridae 425
Astragalus 492; carnosus 29; caryocarpus 29; crassicarpus 29; gracilis 30; melanocarpus 30; missouriensis 30; physodes 29; tenellus 30, 43
Ateleia 499, 506, 507; albolutescens 508, 509, 513; arsenii 507-509; cubensis 514; gummifera 507-509, 514, var. cubensis 514; insularis 508-510; multijuga 514; parvifolia 514; pterocarpa 508, 509, 511-514; standleyana 508-511; tomentosa 507, 509, 513; truncata 507, 509, 510; tumida 514
Atriplex patula var, hastata 443, 448, 449, 451
Aulacomnium palustre 207; sp. 212
Aurinia petraea 299; saxatilis 299

Baccharidastrum 232, 233; notobellidiastrum 231, 232, 237
Baccharis 232; genistelloides 237; helichrysoides 231, 237; oxyodonta 231, 237
Baldwin, Henry I., A "Pillar"-type Black Spruce 562-564
Bamberg, S. A. and R. H. Pemble, New Records of Disjunct Arctic-Alpine Plants in Montana 103-112
Banisteria 318, 326; Caapi 318, 324, 326; purpurea 505 (as Bannisteria)
Banisteriopsis 318, 323, 324, 326-328, 330; Caapi 318, 319, 323-325, 328, 330; inebrians 323, 328; quitense 323; Rusbyana 325, 328
Baptisia 531; leucophaea 45
Bartonia 31; decapetala 31; nuda 32; polypetala 32

Bassia hirsuta 443, 444
Batschia canescens 460; decumbens 31; fimbriata 31; longiflora 31, 460
Bauhinia coulteri 286, A White Flowered Form of, from Tamaulipas, Mexico 286, f. **albiflora** 286; sect. Bauhinia 286
Beaman, J. H. and C. E. Anderson, Status of the Genus Cymophora (Compositae) 241-246
Beetle, A. A., Another Note on Sagebrush Taxonomy 286
Begonia 413; decandra 414
Begoniaceae 414
Berchemia scandens 41
Berry, Wendell H. Jr., Range Extension of Muhlenbergia sobolifera in New Hampshire 452
Bertholletia excelsa 135
Betula glandulifera 210, 212
Bidens segetum 238
Blechnum 2
Bogle, Alfred L., Evidence for the Hybrid Origin of Petasites warrenii and P. vitifolius 533-551
Botrychium dissectum var. obliquum 485
Bouteloua curtipendula 32
Bozeman, John R. and John F. Logue, A Range Extension for Hudsonia ericoides in the Southeastern United States 289-292
Britton, Donald M., The Spores of Four Species of Spinulose Wood Ferns (Dryopteris) in Eastern North America 340-347
Bromeliaceae 412, 415, 417
Bromus pumpellianus 204; tectorum 442
Broussonetia 521; secundiflora 521, 528
Bumelia confertiflora 31; lanuginosa var. oblongifolia 31; oblongifolia 31
Bunchosia 322
Burk, C. John, A Floristic Comparison of Lower Cape Cod, Massachusetts and the North Carolina Outer Banks 215-227
Bursera 246
Butomus umbellatus 171
Byrsonima 321

Cactaceae 410
Cactus ferox 33; flagelliformis 33; fragilis 34, 431; mamillaris 33; viviparus 33, 431
Caesalpiniaceae 493
Caesalpinioideae 493, 496
Calamagrostis canadensis 210; inexpansa 204; neglecta 204, 205, 208
Calea 233; multipega 238; pinnatifida 238
Calia 521, 522; erythrosperma 521, 528
Calliandra 492
Calliergon stramineum 207
Callitriche 552
Calochortus nuttallii 37
Calopogon pulchellus 197, 198
Calusia 505; emarginata 506
Calymenia angustifolia 33; nyctaginea 32; pilosa 33
Camassia esculenta 44, 45; quamash 45; scilloides 45
Campanula rotundifolia 179, 181, 210
Campsis chinensis 67; radicans 67
Carduus undulatus 431
Carex 208, 212, 221; "aboriginum" 420; ablata 420; aquatilis 205, 207, 210, 212; atrata 421; atratiformis 182, 184; aurea 210; capillaris var. major 180; chalciolepis 421; concinna 210; epapillosa 421; foenea var. **tuberculata** 419; heteroneura 421, var. **chalciolepis** 421, var. **epa-**

pillosa 421, var. **brevisquama** 421; intumescens 179; limosa 206; luzulina 420, var. **ablata** 420; maritima 206, 209, 211; michauxiana 206-208; microptera var. **crassinervia** 420; oligosperma 206; parryana 420, 421, var. **brevisquama** 420, 421; pauciflora 206; paupercula 207; potosina 419; rostrata 206; rusbyi 419; stenochlaena 106; trisperma 207; vallicola 419, var. **rusbyi** 419
Carices, Notes on Rocky Mountain 419
Carphephorus 474-477, 480-482; bellidifolius 477, 478, 483; carnosus 477-479, 483; corymbosus 431, 477, 478, 483; **odoratissimus** 483; **paniculatus** 483; pseudoliatris 474, 477-479, 483; tomentosus 477, 478, 481, 483
Carya ovata 452
Caryocar 335; gracile 335
Caryophyllidae 425, 427
Caryota sp. 414
Cashalia cuscatlantica 515, 517
Cassiope mertensiana 110; tetragona 103, 105, 108-110
Cathartolinum bahamense 440; bracei 440; corallicola 440; lignosum 440
Ceanothus americanus 452
Ceratophyllum demersum 171
Chamaecyparis thyoides 217
Chamaedaphne calyculata 193
Chaptalia integerrima 233, 239; mandoni 240; nutans 233, 240
Chase, Sherret S., A Case of Albinism and of Presumptive Self-Compatibility in Ulmus 294-296
Cheiranthus asper 34; asperus 34
Chloranthaceae 416
Chloris mucronata 32
Chrysocoma odoratissima 483; paniculata 483
Chrysopsis villosa 301, var. viscida 301, 302; viscida 302
Cichorieae 233
Cicuta virosa 171
Cirsium undulatum 431
Cissus 415; trifoliata 415
Cladonia spp. 290
Cladrastis secundiflora 528
Clathrotropis (?) flava 518
Clethra alnifolia 290
Clibadium 232; armani 231, 232, 238; surinamense 232
Clusia griesbachiana 415
Coleman, James R., A Cytotaxonomic Study in Verbesina (Compositae) 95-102; Chromosome Numbers in Some Brazilian Compositae 228-240
Comandra livida 210
Commelinidae 426
Compositae 222, 228, 241, 561, Chromosome Numbers in Some Brazilian 228
Connarus 335
Connecticut, Two Eupatorium Species New to 455
Conyza chilensis 231, 232, 238
Coprosmanthus 55, 57, 247; ecirrhatus 265; herbaceus 249, var. ecirratus 58, 265; lasioneuron 253; peduncularis 249; tamnifolius 260
Corallorhiza odontorhiza 485
Cornus canadensis 278-281, Developmental Variability of, in Northern New England 278, f. alpestris 279, f. elongata 278, 279, 281, f. purpurascens 278, var. alpestris 279, 281, var. intermedia 278, 279; florida 568, 569, cv. Rubra 570, cv. Xanthocarpa 568, 569, f. rubra 570, f. xanthocarpa 568; suecica 278, 279; X unalaschkensis 278, 279
Corydalis bulbosa 296-298, A Note on 296; intermedia 297;

solida 297, ssp. solida 298
Coryphantha missouriensis 33; vivipara 33
Countryman, Wm. D., Alisma gramineum in Vermont 577-579; Wolffia in New Hampshire 491
Cristaria coccinea 41
Cronquist, Arthur, The Evolution and Classification of Flowering Plants (Book Review) 422-428
Croton punctatus 225
Cryptantha celosioides 32
Cryptogramma stelleri 180, 187
Cyathea 2
Cymophora 241; pringlei 241; Status of the Genus 241
Cynoglossum glomeratum 32
Cyperaceae 222
Cyperus aristatus 399, 403-405; granitophilus 394, 397, 399, 403-405; inflexus 403; polystachyos 225; sp. 32
Cyrilla racemiflora 290
Cystopteris bulbifera 180, 187; fragilis var. laurentiana 181, 184
Cytisus rhombifolius 34

Dactyloctenium aegyptium 32
Dalbergia gummifera 514; laevigata 500
Dalbergieae 497
Dalea aurea 35; candida 47; enneandra 35, 431, 432; laxiflora 35, 432; parviflora 30; purpurea 47
Dermatophyllum 521; speciosum 521, 528
Deschampsia caespitosa ssp. beringensis 204
DeWolf, Gordon P., Note on Corydalis bulbosa 296-298
Diamorpha cymosa 399, 401
Dichantheum annulatum 556
Diervilla lonicera 182
Digitalis purpurea 46
Dilleniidae 425
Diodia virginica 34
Diospyros virginiana 224, 225
Dipteryx 337
Distichlis spicata 442, 444-446; stricta 451
Distylum 425
Donia squarrosa 51
Draba arabisans 180-182; norvegica 184, 185
Dracocephalum 34; cordatum 431; cuspidatum 34, 35; parviflorum 34
Dracopsis amplexicaulis 353
Drepanocladus 210; sp. 212; unciatus 207
Drosera anglica 206-208; rotundifolia 206, 208
Dryas integrifolia 103, 105, 108; ssp. integrifolia 105
Dryopteris 2, 221, 340, 346; assimilis 340, 346, 347; Borreri 2; campyloptera 340-346; carthusiana 340; dilatata 340-347; fragrans 346, var. remotiuscula 188; goldiana 457; intermedia 340-346; marginalis 182; spinulosa 340, 342-346; The Spores of Four Species of 340
Dudley, Theodore R., Alyssum (Cruciferae) Introduced in North America 298-300
Duroia 335; petiolaris 336
Dussia 499, 515, 516; cuscatlantica 501, 516, 517; grandifrons 517; martinicensis 515; mexicana 501, 516

Eaton, Richard J., The Diagnostic Value of Fresh Mature Drupes of Viburnum recognitum and V. dentatum 288-289
Echinacea 353; purpurea 49
Echites puberula 36
Eclipta alba 238, 239
Elaeagnus angustifolius 35; ar-

gentea 35, 36; argenteus 35; commutata 35
Eleocharis 221, 285, 573; halophila 442, 443; nitida 207
Elephantopus 229; mollis 229, 235
Eleutheranthera 241, 246; ruderalis 242
Elizabetha 130, 138, 144, 154; Duckei 154; princeps 135, 139, 153, 154, 333
Elodea canadensis 171, 203
× Elyhordeum arcuatum 468-470, 472
Elymus 467, 471, 472; arenarius 467; glaucus 470, 471; hirsutus 470, 471; innovatus 470, 471; mollis 468, 470, 471, ssp. mollis 204; sibiricus 467-471
Emilia coccinea 233, 239
Empetrum nigrum 205
Enslenia albida 431
Epidendrum ramosum 415
Epilobium glandulosum 182
Epipactis Helleborine 196, 198
Equisetum fluviatile 205; scirpoides 210
Erechtites hieracifolium 233, 239
Erianthus brevibarbis 49
Erigeron hyssopifolius 182, 184
Eriogonum flavum 26, 27, 36; sericeum 36
Eriophorum gracile 206; vaginatum ssp. spissum 207
Ervum multiflorum 30
Erysimum asperum 34; montanum 36
Erythroxylon Coca 119
Escherichia coli 422
Euonymus obovatus 431
Eupatorieae 229, 235, 474, 475
Eupatorium 231; altissimum 455; ballotaefolium 231, 236; callilepis 236; congestum 236; hyssopifolium 455; intermedium 231, 236; laetevirens 236; lanigerum 236; macrophyllum 236; orbiculatum 236; pallescens 236; serotinum 455; Two Species New to Connecticut 455; velutinum 231, 236
Euphorbiaceae 410
Euryale ferox 170, 171
Euthamia 50
Evolvulus argenteus 36; pilosus 36; sessiliflorus 36
Ewan, Joseph, John Goldie and the Republication of his Diary 457-461

Faba 496
Fabaceae 492, 493, 495, 496
Faboideae 493, 495-497
Fagus grandifolia 224
Ferula foeniculacea 36; pubescens 36
Festuca arundinacea 564-567, Notes on, in the United States 564; baffinensis 103, 106, 109, 110; brachyphylla 103, 105, 106; elatior 564-567, ssp. arundinacea 565, ssp. pratensis 565, var. arundinacea 564, var. pratensis 564; rubra 203-205, ssp. richardsonii 204, 205, var. glabrata 204, 205, 208, var. arenaria 204, 205, var. prolifera 204; ovina 105; pratensis 564-567, Notes on, in the United States 564; prolifera 204; vivipara 103, 105, 106
Florida, Occurrence of Murdannia spirata in 571
Forsteronia portoricensis 415
Fragaria virginiana 210
Fraser's 1813 Catalogue, On the Names in 25
Freeze-dry Technique for the Plant Collector, A 410
Fritillaria alba 37; americana 37; atropurpurea 37
Fumaria bulbosa 297, α cava 297, β intermedia 297, γ solida 297

Gaillardia aristata 51; grandiflora 51; pulchella 223

Galapagos Islands, A New Species of Physalis from the 408
Galegeae 498
Galinsoga 245
Galinsoginae 241
Galium septentrionale 210
Gaura angustifolia 225; coccinea 37
Gaylussacia dumosa 291
Genisteae 497
Gerardia flava 460; maritima 443, 444; quercifolia 460
Gesneriaceae 414
Glaux maritima 443, 448
Glyceria melicaria 442
Glycyrrhiza 40; lepidota 39
Goldie, John and the Republication of his Diary 457
Gonolobus hirsutus 37
Gonyza notobellidiastrum 232
Goodyera pubescens 197, 198
Gramineae 222
Granite Outcrop Communities of the Southeastern Piedmont, Plant Speciation Associated with 394
Graustein, Jeannette E., Thomas Nuttall Naturalist Explorations in America 1808-1841 (Book Review) 429
Grindelia 50; squarrosa 51
Grinnellia americana 292, 294
Gutierrezia 50
Guttiferae 415
Guzmannia berteroniana 415

Habenaria lacera 195, 198; psycodes 195, 198; virescens 195; viridis var. bracteata 195, 198
Haemadictyon 325, 326; amazonicum 326
Haematoxylon 492
Halenia deflexa 210
Hamamelidaceae 425, 426
Hamamelidae 425
Haplopappus spinulosus 50
Hargraves, Paul E., Two Naturally Occurring Abnormalities of the Diatom Podocystis adriatica 292-294
Harms, Vernon L., Application of the Name Heterotheca viscida 301-303
Hebert, Henry J.-C., Generic Considerations concerning Carphephorus and Trilisa (Compositae) 474-485
Hedeoma glabra 431
Hedyosmum 416; arborescens 416
Hedyotis procumbens 306-310, var. hirsuta 308, the Status of 306, var. procumbens 308
Hedysareae 497
Heliantheae 232, 238, 353
Helianthemum corymbosum 225
Helenieae 481
Helenium nudiflorum 454, A Yellow-centered Form of 454, f. **homochromum** 454
Heliconia 413, 416; bihai 416
Hepaticae 316
Hermann, F. J., Notes on Rocky Mountain Carices 419-421
Heteranthera dubia 171
Heterotheca 301; fulcrata 301; sect. Heterotheca 301; subaxillaris 220; **viscida** 301, 302, Application of the Name 301; villosa 301
Hevea 119
Hieracium canadense 181; commersonii 231, 240; pilosella 179, 182
Hillia parasitica 416
Hodgson, H. J. and Wm. W. Mitchell, Hybridization within the Triticeae of Alaska; A New × Elyhordeum and Comments 467-473
Holmstedt, Bo and Richard Evans Schultes, De Plantis Toxicariis e Mundo Novo Tropicale Commentationes. II. The Vegetal Ingredients of the Myristi-

caceous Snuffs of the Northwest Amazon 113-160
Hordeum 467; brachyantherum 468, 469, 471; jubatum 451, 467-472
Hounsell, R. W. and E. C. Smith, Contributions to the Flora of Nova Scotia. IX. Habitat Studies of Arctic-Alpine and Boreal Disjunct Species 176-191
Houstonia procumbens 306; rotundifolia 306
Howard, Richard A., A Freeze-dry Technique for the Plant Collector 410-418
Howe, M. Dorisse, A Yellow-centered Form of Helenium nudiflorum 454
Hudsonia 290; ricoides 289-291, A Range Extension in the Southeastern United States for 289; montana 291; tomentosa 225, 443
Hydrocharis morsus-ranae 171
Hydrocotyle 573; bonariensis 225
Hymenopappus 481, 482
Hyparrhenia rufa 556
Hypericum canadense 291; densiflorum 291; surculosum 38
Hypochaeris brasiliensis 233, 240; gardneri 233, 240; radicata 233, 240, 559, 561
Hyssopus anethiodorus 38; anisatus 38
Hystrix patula var. Bigeloviana 452

Ilex coriacea 290; glabra 290; opaca 224, 225; vomitoria 225
Illinois, Solidago gymnospermoides in 287
Inga 331
Inuleae 232, 238
Inulopsis 232, 233; scaposa 231, 238
Ipomoea sagittata 225
Isoëtes macrospora 202, 211; melanospora 394; muricata var. braunii 202, var. hesperia 203
Iva annua 451

Jaegeria hirta 231-233, 239
Johnson, Kermit L., Spiranthes ovalis, new for Kansas 485
Jones, Samuel B. Jr., Allium ampeloprasum in Alabama 303; An Example of a Vernonia Hybrid in a Disturbed Habitat 486-491
Judd, William W., Studies of the Byron Bog in Southwestern Ontario. XXX. Distribution of Orchids in the Bog 193-199
Juglans nigra 432
Juncus 221; albescens 103, 104; alpinus ssp. nodulosus 208; articulatus 225; balticus 208, var. littoralis 205; biflorus 225; biglumis 103, 104; dichotomus 225; georgianus 394; gerardi 442-444, 446, 448; stygius ssp. americanus 208, var. americanus 206, 207; triglumis 104
Juniperus virginiana 399
Jussieua angulata 38; leptocarpa 38
Justicia 156, 333; Adhatoda 156; pectoralis 156, var. stenophylla 135-139, 143, 144, 155, 156, 333

Kalmia angustifolia var. caroliniana 291
Kanimia 231, 233; strobilifera 231, 236
Kansas, Spiranthes ovalis, new for 485
Knobloch, Irving W., A Case of Mistaken Identity, or the Mysterious C. E. Lloyd 462-466
Kobresia bellardii 104; myosuroides 103, 104

Lactuca 40; integrifolia 40; ludovicianus 431; oblongifolia 40; pulchella 40

Lakela, Olga, Occurrence of Murdannia spirata in Florida 571-574
Larix laricina 206, 207, 212
Lathyrus myrtifolius 40
Leguminosae 492-496; of Mexico — Faboideae. I. Sophoreae and Podalyrieae 492
Leiophyllum 290; buxifolium 290, 291, var. Hugeri 291, var. prostratum 290
Lemna minor 491
Lemna minor 171; trisulca 171
Lepachys 350, 354; columnaris 350, 369, var. pulcherrima 350, 376, var. tagetes 383; columnifera 369, var. pulcherrima 376; mexicana 350, 355; pedunculatis 350, 364, var. picta 350, 366; pinnata 350, 357; pinnatifida 357; tagetes 350, 383
Leptolobium 499; dasycarpa 499
Lester, Donald T., Variation in Cone Morphology of Balsam Fir, Abies balsamea 83-94
Leucampyx 482
Leucopsis 232
Leymus 467, 470
Liatris 474, 478, 479, 482; bellidifolia 474; corymbosa 431, 474; graminifolia 40; odoratissima 474; paniculata 40, 474; tomentosa 474
Liliidae 426
Lilium andinum 39; Catesbaei 39; philadelphicum 39, var. andinum 39; umbellatum 39
Limonium nashii 443
Linum bahamense 439, 440, Complex, The 439, f. bahamense 440, f. **corallicola** 440, var. bahamense 439, 440, var. bracei 439, 440, var. corallicola 439-441; bracei 440; corallicola 441; lewisii 38, var. saxosum 39; lignosum 440; perenne 38, ssp. lewisii 38, var. **saxosum** 39, var. americanum 38
Liquiritia 39, 40; lepidota 39
Lithospermum canescens 460; decumbens 31; incisum 31, 460; longiflorum 31
Litrisa 474, 475, 481
Lloyd, C. E., A Case of Mistaken Identity or the Mysterious 462
Lobularia maritima 299
Logue, John F., and John R. Bozeman, A Range Extension for Hudsonia ericoides in the Southeastern United States 289-292
Lolium perenne 557, 558; spp. 557, 558
Lomatium foeniculaceum 36
Lonicera villosa 210
Loteae 497, 498
Lotoideae 495, 497
Ludwigia leptocarpa 38; maritima 225
Lycopodium annotinum 216; carolinianum 225; lucidulum 216; selago 186, 188

MacDonald, Robert D., Yellow-fruited Cornus florida — Cultivar or Form? 568-571
Macroule 518
Magnolia virginiana 290
Magnoliaceae 425
Magnoliatae 425
Magnoliidae 425
Magnoliophyta 422
Malouetia 336; Tamaquarina 327
Malpighiaceae 318, 321
Malus "Prince Georges" 296
Malva coccinea 41
Mamillaria vivipara 431
Mangaly, Jose K., A Cytotaxonomic Study of the Herbaceous Species of Smilax: Section Coprosmanthus 55-102, 247-273
Massachusetts, A Floristic Comparison of Lower Cape Cod,

and the North Carolina Outer Banks 215; Seasonal Occurrence and Ecology of Salt Marsh Phanerogams at Ipswich 442
Matelia carolinensis 37
Meehania cordata 431
Megapterium oklahomense 43
Melilotus officinale 451
Mentha arvensis var. villosa 210
Mentzelia decapetala 31; nuda 32; oligosperma 41
Mariläinen, Jouko, Najas minor All., in North America 161-175
Mexico, A White flowered Form of Bauhinia coulteri from Tamaulipas 286; Leguminosae-Faboideae I. Sophoreae and Podalyrieae of 492
Microseris cuspidata 50
Mikania 231; campanulata 236; capricorni 236; conferta 237; pachylepis 237
Mimosa 126, 128, 287, 492; acacioides 125-128; peregrina 331
Mimosaceae 493
Mimosoideae 493, 495, 496
Mirabilis hirsuta 33; linearis 33; nyctaginea 32
Mitchell, Wm. W. and H. J. Hodgson. Hybridization within the Triticeae of Alaska: A New × Elyhordeum and Comments 467-473
Mitella nuda 210
Monotropa uniflora 485
Montana, New Records of Disjunct Arctic-Alpine Plants in 103
Moraceae 333
Moronobaea spp. 122
Morton, Gary H., Chaff on the Receptacle of Solidago juncea 304-306
Muhlenbergia sobolifera 452, Range Extension in New Hampshire of 452
Murdannia nudiflora 573; spirata 571-573, Occurrence in Florida of 511
Murdy, W. H., Plant Speciation Associated with Granite Outcrop Communities of the Southeastern Piedmont 394-407
Musa 413; sapientum 416
Musaceae 412, 416
Musineon divaricatum var. hookeri 49
Mutisieae 233, 239
Myrica pensylvanica 443, A New Form of 453, f. **parvifolia** 453, f. pensylvanica 453
Myriophyllum exalbescens 171, 203
Myristica sebifera 152; theiodora 150, 152
Myristicaceae 129, 147
Myristicaceous Snuffs of the Northwest Amazon 113, 115, 116, 118-123, 129, 130, 132, 143, The Vegetal Ingredients of 113-160
Myrospermum 498, 505; emarginatum 505; frutescens 501, 505; Pereirae 504; sect. Calusia 505; sect. Myroxylon 502; sonsonatense 504; toluiferum 503
Myroxylon 492, 493, 498, 502, 506; balsamum 502, var. balsamum 502, var. pereirae 501, 503; Pereirae 504; peruiferum 502; sonsonatense 504; toluifera 503, toluiferum 503

Najas flexilis 167, 170, 171, 203; gracillima 161-166; graminea 161; marina 167, 168, 170, 171; minor 161-171, in North America 161; tenuissima 171, 172
Nardosmia corymbosa 534; frigida 534, var. corymbosa 534, var. palmatus 534; palmata 534; sagittata 534

Neale, James J., Two Eupatorium Species New to Connecticut 455
Nebraska, Sporobolus texanus Vasey in Lincoln, 450
Nemexia 53, 56, 58, 247; biltmoreana 58, 269; cerulea 249; ecirrhata 265; herbacea 249, var. melica 253; hugeri 58, 267; lasioneuron 253; nigra 249; tamnifolia 260; tenuis 253
New England, Developmental Variation of Cornus canadensis in Northern 278; Salt Marsh Vaucheriae 274
New Hampshire, Range Extension of Muhlenbergia sobolifera in 452
New Hampshire, Wolffia in 491
North America, A Definitive New Book on the Flora of Northwestern 580
North America, Alyssum (Cruciferae) Introduced in 298; Najas minor in 161; The Spores of Four Species of Spinulose Wood Fern (Dryopteris) in Eastern 340
North Carolina, A Floristic Comparison of Lower Cape Cod, Massachusetts and the Outer Banks of 215
Nothocrax urumutum 336
Notholaena lumholtzii 465
Nova Scotia, Contributions to the Flora of, IX. Habitat Studies of Arctic-Alpine and Boreal Disjunct Species 176-191
Nymphaea tetragona ssp. leibergii 210
Nyssa 217; sylvatica 224

Obeliscaria 350, 354; columnaris 369, var. pulcherrima 376; peduncularis 364; pinnata 357; pulcherrima 376; tagetes 383
Obelisteca 349, 354
Oenanthe aquatica 171
Oenoplea 41; volubilis 41
Oenothera 66; acaulis 42; alata 43; albicaulis 42; cespitosa 42; macrocarpa 42, 43, var. **incana** 43, var. **oklahomensis** 43; missouriensis 42, var. incana 43; scapigera 42; serrulata 42; nuttallii 42
Olmedia 121
Olmedioperebia sclerophylla 333
Ontario, Studies of the Byron Bog in Southwestern, XXX. Distribution of Orchids in the Bog 193-199
Opuntia fragilis 34, 431; missouriensis 33; polyacantha 33
Orchidaceae 412, 415
Ormosia 499, 518, 528; apulensis 519; chlorocalyx 519; coutinhoi 518; isthmensis 501, 518, 519; macrocalyx 501, 518, 519; mexicana 516; schippii 501, 518, 520; toledoana 519
Orobus diffusus 43; dispar 43
Orthopappus 229; angustifolius 229, 231, 235
Ormosiopsis 518
Oxycoccus quadripetalus 206-208
Oxyria digyna 185
Oxytropis acuminata 44; lambertii 44

Palmae 414
Panicum 221; virgatum 442
Papilionaceae 496, 497
Papilionatae 497
Papilionoideae 495, 497
Parthenium hysterophorus 232, 239
Passiflora lutea 47
Patrinia 521; sericea 523
Paullinia 322
Pellaea 1, 3, 21, 22; andromedifolia 3-6, 8-15, 19-22; atropurpurea 3, 7, 8; Comparison of

Sexual and Apogamous Races in the Fern Genus 1; intermedia 3, 5, 7, 11-16, 18, 20, 22; myrtillifolia 11, 14; ovata 3, 5, 7, 11-17, 22; rufa 11, 14; sagittata 3, 8, var. cordata 8, var. sagittata 8; sect. Pellaea 3; ternifolia 3, 11-13, 15-16, var. ternifolia 3, 22
Pemble, R. H. and S. A. Bamberg, New Records of Disjunct Arctic-Alpine Plants in Montana 103-112
Penstemon albidum 47; angustifolium 46; bradburyi 46; caeruleum 46; cristatum 46, 47; erianthera 46, 47; glaber 47; grandiflorum 46; teretiflorum 47
Perezia 233, 234; cubataensis 233, 240
Petalostemon candidum 47; violaceum 47
Petasites 533, 536, 538; arcticus 538; frigidus 533, 545-547, var. frigidus 533-535, 539, 543, 547, var. palmatus 533-548, var. nivalis 531-535, 538, 539, 543-547; hybridus 533; hyperboreus 547; japonicus 533, ssp. giganteus 540; nivalis 547; palmatus 539, 542; sagittatus 533-540, 542-548; speciosus 537-539, 543, 545, 546; tatewakianus 540; trigonophyllus 535, 548; vitifolia 549; vitifolius 533, 535, 538, 539, 542-545, 547, 548, Evidence for the Hybrid Origin of 533; × vitifolius 541, 548; warrenii 533, 535-548, Evidence for the Hybrid Origin of 533
Phacelia 398; dubia 397-399, 405, var. georgiana 397-399, 405; maculata 394, 397-399, 405; subg. Cosmanthus 398
Phalangium esculentum 44, 45; quamash 44, 45
Phaseoleae 498
Phaseolus 492
Philodendron aff. bipinnatifidum 417; krebsii 417
Phlox drummondii 223
Phragmites communis 442, 443
Physalis 574, A New Species from the Galapagos Islands of 408, Emendations in United States 574; clarionensis 410; cordata 410, 575; **galapagoënsis** 409, 410; hederaefolia var. hederaefolia 574, var. puberula 574; missouriensis 575; philadelphica var. immaculata 574; porrecta 410; pubescens 575, var. glabra 575, var. **missouriensis** 575, var. pubescens 575, 576; turbinata 575
Physostegia 35
Phytochemical Research, Some Impacts of Spruce's Explorations on Modern 313
Picea abies 562; mariana 206, 207, 210, 212, 562
Pickeringia 531; montana 514, 531, var. tomentosa 531
Pilostyles 426
Pinguicula vulgaris 184, 212
Pinus 224; Elliottii 573; palustris 290; rigida 220, 224; serotina 290; taeda 224
Piperaceae 126
Piptadenia 118, 125, 330, 331, 333; Niopo 331; peregrina 114, 117, 118, 125, 126, 128, 331, 333
Pitcairnia angustifolia 417
Pithecellobium 492
Plantago maritima 443, 444, 448
Pluchea suaveolens 231, 232, 238
Plumeria 417; alba 417
Poa arida 451; glaucantha 181
Podalyria mollis 45
Podalyrieae 497, 530
Podocoma 233; hirsuta 231, 232, 238

Podocystis adriatica 292, 293, spathulata f. anastomosans 293 Two Naturally Occurring Abnormalities of the Diatom 296;
Pogonia ophioglossoides 196-198
Polygonaceae 410
Polygonella polygama 290
Polygonum 221; aviculare var. littorale 443; viviparum 210
Polymnia 561, Notes on the Pedicillate Disk Florets in 559; canadensis 559-561, A Reversion in 559; uvedalia 561
Polystichum acrostichoides 220; braunii var. purshii 182
Populus balsamifera 210
Portulaca pilosa 397; smallii 394, 397, 405
Potamogeton acutifolius 170; crispus 170, 171; friesii 203; gramineus 203; natans 170, 203; pectinatus 171; pusillus 171; trichoides 171; vaginatus 203; zosterifolius 203
Potentilla concinna 45; fruticosa 184, 185, 210; humifusa 45; mollis 45
Poulsenia 121
Prestonia 326-328; amazonica 324, 326-328
Prickothamnus 531
Primula misstassinica 186
Prunus caroliniana 225; susquehanae 452
Pseudosophora 521, 522; sericea 523
Psoralea argophylla 48; cuspidata 47; esculenta 47; incana 48; macrorhiza 47
Pteris 2, 3, 8; biaurita 2; cretica 2; quadriaurita 2
Pterocarpus ateleia 506, 511, 512; gummifer 514; sect. Ateleia 506
Pterocaulon alopecuroides 231, 232, 238; undulatum 232
Purdy, Maud H. 1874-1965, 283
Pycnanthemum dichotomum 45; pilosum 45
Pyrola secunda 210

Qualea 337
Quercus 221, 224; alba 224; falcata 224, 225; georgiana 394; ilicifolia 220, 224; incana 290; laevis 290; laurifolia 224; margaretta 290; nigra 224; phellos 224; stellata 225; velutina 224; virginiana 224, 225

Rafflesia 426
Ranunculus reptans 205
Ratibida 348-350, 353, 370, 371; A Monograph of the Genus 348; columnaris 369, f. denudata 369, 371, f. pulcherrima 376; columnifera 48, 348, 367, 369, 370, 376, 386-388, f. columnifera 349, 350, 355, 368, 369, 389, f. pulcherrima 349-351, 355, 376-378, 389, var. appendiculata 369, 370, var. breviradiata 369, 370, var. pulcherrima 376, var. tubularis 369, 370; latipalearis 349-352, 355, 380, 381, 383, 386-388; mexicana 348-352, 354-357, 386-389; peduncularis 348, 351, 362, var. peduncularis 349, 350, 352, 355, 363, 364, 367, 386-389, var. picta 348-350, 355, 365, 366, 386-389; picta 366; pinnata 348-352, 354, 355, 357-359, 386-389; sulcata 369; tagetes 348-352, 355, 383-389, var. cinera 383
Retinophyllum 336; concolor 336; speciosum 336; truncatum 336
Reveal, James L., On the Names in Fraser's 1813 Catalogue 25-54
Rhamnus volubilis 41
Rheo 66
Rhexia virginica 176
Rhus radicans var. rydbergii 182
Rhynchospora alba 206-208; glo-

bularis var. typica 397; saxicola 394, 397, 405
Ribes aureum 48; hirtellum 182; longiflorum 48; triste 210
Richards, Edward Leon, A Monograph of the Genus Ratibida 348-393
Robinia coccinea 518
Rocky Mountain Carices, Notes on 419
Roegneria 467
Rogers, C. M., The Linum bahamense Complex 439-441
Rosa rugosa 223
Rosidae 425
Rourea 335
Rubiaceae 416
Rubus 221; acaulis 210
Rudbeckia 353, 359; amplexicaulis 353; columnaris 48, 369, 370; columnifera 48, 369, 370; globosa 383; pinnata 350, 357; purpurea var. serotina 49; tagetes 350
Rudd, Velva E., Leguminosae of Mexico — Faboideae. I. Sophoreae and Podalyrieae 492-532
Rumex crispus 451
Ruppia maritima 442, 443, 446

Sabal minor 220, 225; palmetto 573
Saccharum brevibarbe 49
Sagittaria sp. 171
Salicornia 444, 447, 448; bigelovii 443, 444, 447, 448; europaea 443, 444, 447; rubra 451; stricta 447
Salix 210; bebbiana 210; brachycarpa 204, 205, 208; maccalliana 210; myrtillifolia 210; pellita 210; planifolia 204, 205, 208, 210; silicicola 208, 209; turnorii 205, 208
Salt Marsh Phanerogams at Ipswich, Massachusetts, Seasonal Occurrence and Ecology of 442
Salvia 287; elegans sonoriensis 465
Sambucus pubens 182
Sanguinaria canadensis 216
Sapindaceae 322
Sarracenia purpurea 206-208
Saskatchewan, Contribution to the Flora of Boreal 200
Satureja arkansana 431; vulgaris 179
Saxifraga aizoides 184, 185; aizoon var. neogaea 180-182; tolmiei 107
Scheuchzeria palustris var. americana 206
Schizachne purpurascens 184
Schizaea pusilla 216
Schultes, Richard Evans, Some Impacts of Spruce's Amazon Explorations on Modern Phytochemical Research 313-339; and Bo Holmstead, De Plantis Toxicariis e Mundo Tropicale Commentationes II. The Vegetal Ingredients of the Myristicaceous Snuffs of the Northwest Amazon 113-160
Scilla esculenta 44, 45
Scirpus 221; americanus 442-444; cespitosus var. delicatulus 180, 184, 186; hudsonianus 207; lacustris 170
Scrophulariaceae 396
Sedum 399, 401, 403; pusillum, 394, 399-401, 403, 405; rosea 182, 184, 185; smallii 399-401, 405; stellatum 401
Selaginella arenicola ssp. acanthonota 290; selaginoides 210, 212
Senecio 233; adamantinus 231, 239; brasiliensis 239; erisithalifolius 239
Senecioneae 233, 239
Seseli divaricatum 49; lucidum 49
Sicyos 50; angulatus 50

Sideranthus 49, 370; integrifolius 49; pinnatifidus 50

Silene acaulis 206, 209, 211, ssp. acaulis var. exscapa 209, f. athabascensis 209; antirrhina 452; menziesii 210

Smilacina trifolia 206

Smilax 55-57, 62, 72, 73, 77, 78, 247; acirrha 265; auriculata 225; balbisiana 271; biltmoreana 58, 59, 61, 65, 66, 70, 73, 74, 76, 77, 79, 84, 248, 254, 266, 268-270; blancoi 271; bonanox 225; china 57; cordifolia 271; diversifolia 58, 253; ecirrhata 58, 59, 65, 68-72, 74-81, 247, 248, 263-266, 268, 270, var. biltmoreana 270, var. hugeri 268; herbacea 56, 57, 59-63, 67-74, 77-79, 248-250, 254, 257, 258, 261, 265, 271, ssp. crispifolia 249, var. crispifolia 58, var. ecirrhata 58, 265, var. inodora 253, var. lasioneuron 253, var. peduncularis 249, var. pulverulenta 257, var. Simsii 249; hispida 77, 271; hugeri 58, 59, 61, 64-66, 70, 71, 74, 75, 77-79, 81, 248, 254, 266-268, 270; illinoensis 61, 62, 64, 68, 70-72, 75, 77, 79-81, 248, 263; inermis 260; lanceolata 260; lasioneuron 57-59, 61, 63, 68, 70, 71, 73, 75, 77, 79, 248, 250, 253, 254, 257, 258, 263; leptanthera 58, 260; macrophylla 72; moranensis 271; peduncularis 56, 249; pseudo-china 57, 59, 61, 62, 64, 67, 70, 71, 73, 74, 77, 79, 248, 250, 260-262, 271; pulverulenta 56, 57, 59, 61, 62, 64, 70, 71, 74, 75, 77-79, 248, 250, 257, 258; riparia 78; salicifolia 271; sect. China 57, 247; sect. Coprosmanthus 55-58, 60, 63, 72, 73, 77, 78, 247, A Cytotaxonomic Study of the Herbaceous Species of 55, 247; sect. Eusmilax 57; sect. Macranthae 57, 247; sect. Nemexia 57, 247; sect. Pleiosmilax 56, 57, 247; sect. Smilax 57, 247; subg. Nemexia 247; tamnifolia 57, 260, 261; telferiana 271; tenuis 58, 253; zeylanica 271

Smith, E. C., and R. W. Hounsell, Contributions to the Flora of Nova Scotia. IX. Habitat Studies of Arctic-Alpine and Boreal Disjunct Species 176-191

Smith, Edwin B., A Reversion in Polymnia canadensis (Compositae) and Notes on the Pedicellate Disk Florets in the Genus 559-562

Solidago 221, 304; chilensis 231, 232, 238; flexicaulis 179; gymnospermoides 287, in Illinois 287; juncea 305, Chaff on the Receptacle of 305; media 287; multiradiata 184; pauciflosculosa 290; sempervirens 443, 444

Sonchus 40; ludovicianus 431; pulchellus 40

Sophoreae 497, 498

Sophora 498, 499, 521-523, 527, 530; affinis 530; alopecuroides 521, 522; arenicola 526; arizonica 530; conzattii 523, 524, 527; formosa 530; havanensis 526; japonica 521, 530; littoralis 526; nuttalliana 29, 523, 524; occidentalis 526; purpusii 523-525; sericea 521, 523; sect. Eusophora 521, 522; sect. Pseudosophora 521, 522; secundiflora 523, 524, f. xanthosperma 528; sempervirens 528; speciosa 528; tomentosa 521-524, 526, β truncata 526, β var. littoralis 526

Spartina alterniflora var. glabra 442, 444, 445; cynosuroides 225;

patens 275, 276, 442-445, 448; pectinata 442
Specularia perfoliata 452
Spergularia marina 443, 444
Sphaeralcea coccinea 41
Sphagnum 193, 195-198, 206-208; centrale 207; recurvatum 206; spp. 206, 207; teres 207; warnstorfianum 207
Sphenopholis intermedia 187
Spiranthes cernua 197, 198; ovalis 485, New for Kansas 485; romanzoffiana 206, 212
Spirodela polyrhiza 171
Sporobolus texanus 450, 451, in Lincoln, Nebraska 450
Stachys foeniculum 38
Stellaria arenicola 204, 205; calycantha 210; longifolia 210
Stevia 231; conmixta 237; decussata 237; veronicae 231, 237
Stipulicida setacea 290
Stratiotes aloides 170
Strychnos 335
Stuckey, Ronald L., Biography of Thomas Nuttall; A Review with Bibliography 429-438
Stylophorum diphyllum 432
Stylosanthes racemosa 49
Styphnolobium 521, 522; japonicum 530
Suaeda 448; depressa 451; linearis 443, 444, 448; maritima 443, 448; novaezelandiae 448; richii 225, 443, 444, 448
Subularia aquatica 202, ssp. americana 211, ssp. aquatica 211
Surirella 292
Svenson, Henry K., Maud H. Purdy 1874-1965, 283-286
Sycios 50; angulata 50
Sycopsis 425
Symphonia spp. 122
Symphyopappus 231, 233; cuneatus 231, 237; polystachyus 231, 237
Swartzia multijuga 514
Sweetia 499; fruticosa 499; panamensis 500, 501, 527

Tagetes patula 48
Talinum 402; mengesii 399, 401-403, 406; teretifolium 399, 401-403, 405
Tanacetum huronense var. floccosum 204
Taraxacum officinale 179, 559
Taxodium 217
Teeri, James A., Developmental Variability of Cornus canadensis in Northern New England 278-282
Terrell, Edward E., Biometric and Taxonomic Uses of Cellulose Acetate Plastic 552-558; Notes on Festuca arundinacea and F. pratensis in the United States 564-568
Tetracentron 426
Tetrapteris 330; methystica 329, 330
Thalictrum polygamum 179, 184
Thalesia 499
Thelypteris 2
Theobroma subincanum 122
Thermia rhombifolia 34
Thermopsis 531; mollis 45; rhombifolia 34
Thuraria 51; herbacea 50
Tillandsia usneoides 225
Toluifera 502; balsamum 502, 503, var. β Pereirae 504; Pereirae 504
Torreyochloa pallida var. fernaldii 205
Toulichiba 518
Trachelospermum difforme 36
Tradescantia rosea var. graminea 290
Trapa natans 171
Trichilia sp. 130
Trichogonia 233; gardneri 231, 237

Tridax 241, 245; accedens 241, 242, 245, 246; dubia 242, 245, 246; oligantha 241, 242, 245, 246; pringlei 241
Trifolieae 497, 498
Trifolium arvense 443
Triglochin maritima 442
Trilisa 474-476, 480-482; carnosa 475; odoratissima 474-478, 480, 481; paniculata 474-482
Triticeae 467, 470, 471; of Alaska, Hybridization within the 467
Trixis 233, 234; divaricata 233, 240; pinnatifida 231, 233, 240
Trochodendrales 425, 426
Trollius laxa 285
Troximum ciliatum 50; cuspidatum 50; glaucum 50; marginatum 50
Tryon, Alice F., Comparison of Sexual and Apogamous Races in the Fern Genus Pellaea 1-24
Typha angustifolia 171; latifolia 171

Ulmus 295; A Case of Albinism and of Presumptive Self Compatibility in 294; alata 295; americana 295; carpinifolia 295; glabra 295; × hollandica 295; var. Klemmer 295; japonica 295; laevis 295; thomasii 295; wilsonii 295
Ungar, Irwin A., Sporobolus texanus Vasey in Lincoln, Nebraska 450-451
Uniola latifolia 51
United States, A Range Extension for Hudsonia ericoides in the Southeastern 289, Emendations in Physalis in the 574, Notes on Festuca arundinacea and F. pratensis in the 564
Utricularia intermedia 208; sp. 208

Vaccinium corymbosum 291; crassifolium 290
Vallisneria americana 171
Vaucheria 274; arcassonensis 274-276; compacta 274, 276, var. koksoakensis 275, 276; coronata 274; intermedia 274-276; litorea 274; minuta 274; piloboloides 274, var. compacta 276; thuretii 274; vipera 274
Vaucheriae, New England Salt Marsh 274
Verbesina 95, 96, 99; A Cytotaxonomic Study in 95; alternifolia 96, 98-102; aristata 96-102; encelioides 100, 101; glabrata 239; hybrids 97-99, 101; lindenii 96, 100; longifolia 96, 98-102; occidentalis 96-98, 100-102; oligocephala 96, 100, 101; rothrockii 96-102; sect. Lipactinia 95; sect. Ochractinia 100; sect. Pterophyton 96-100; sect. Saubenetia 100; sect. Sonoricola 100; sect. Verbesinaria 97-100; sect. Ximenesia 100; serrata 96, 100; virginica 96, 100, 101; warei 96-98, 100, 102
Verbesininae 241
Vermont, Alisma gramineum in 577
Vernonia 229, 486; altissima 486-490; angustifolia 486-490; cognata 235; diffusa 235; fasciculata 486; hybrid 486-490, An Example in a Disturbed Habitat of a 486; × illinoensis 486; missurica 486; polyanthes 231, 235; scirpoides 235
Vernonieae 229, 235
Vexibia 521; sericea 523
Vexillifera 515; micranthera 515
Vibexia 521; sericea 523
Viburnum dentatum 288, 289; recognitum 288, 289, The Diagnostic Value of Fresh Mature Drupes of 288, var. recognitum 288

Vicia 496, americana 43
Vicieae 497
Viguiera porteri 394
Vincetoxicum acanthocarpus 37
Virgilia bicolor 51; fimbriata 51; grandiflora 51; secundiflora 528
Virola 113-122, 127-129, 136-139, 144, 145, 147, 333, 335; calophylla 119, 130, 147, 148, 150, 333; calophylloides 119, 130, 132, 149, 150, 333; elongata 152; theiodora 130, 132-135, 140, 141, 145, 146, 150-152, 332
Vitaceae 410, 415
Vitis campestris 51, riparia 52
Vriesia sintenisii 417

Walker, James W., The Evolution and Classification of Flowering Plants by Arthur Cronquist (Book Review) 422-428
Waterfall, U. T., Emendations in United States Physalis 574-576; A New Species of Physalis from the Galapagos Islands 408-409
Webber, E. E., New England Salt Marsh Vaucheriae 274-277; Seasonal Occurrence and Ecology of Salt Marsh Phanerogams at Ipswich, Massachusetts 422-450
Wedelia 233; pilosa 231, 239; subvelutina 239
Wells, Theodore W., A New Form of Myrica pensylvanica 453
Wilbur, Robert L., The Status of Hedyotis procumbens var. hirsuta (Rubiaceae) 306-311
Winteraceae 427
Wolffia in New Hampshire 491; columbiana 491; punctata 491
Wolffia punctata 171
Woodsia 346; alpina 184; glabella 182, 184; ilvensis 180-182, 187, 188
Woodwardia areolata 176
Wunderlin, R. P., A White Flowered Form of Bauhinia coulteri from Tamaulipas, Mexico 286-287; Solidago gymnospermoides in Illinois 287-288

Xylothermia 531; montana 531, ssp. tomentosa 531

Yucca aloifolia 225; angustifolia 52; glauca 52; gloriosa 52, 225

Zanthoxylum clava-herculis 225
Zanthyrsis 521, 522; paniculata 521, 526
Zingiberaceae 412, 413
Zygadenus elegans 210